



Brunsing Associates, Inc.

FILE COPY

November 22, 2005

Project No. 655

Ms. Darcy Bering
Sonoma County Department of Health Services
Environmental Health Division
475 Aviation Boulevard, Suite 220
Santa Rosa, California 95403

**Project Summary Report
5757 McFarlane Road
Sebastopol, California**

Dear Ms. Bering:

This report presents a summary of the tasks performed at 5757 McFarlane Road, Sebastopol, California (Plates 1 and 2). A summary report was required by the Sonoma County Department of Health Services – Environmental Health Division (SCDHS-EHD) in their letter dated September 21, 2005.

Site History

An underground storage tank (UST) used for storing gasoline was removed from the site, in either 1983 or 1988. During removal of the UST, soil contamination was observed. An investigation was proposed in a workplan prepared by Edd Clark & Associates (ECA), dated August 20, 1999. The ECA workplan was approved by the SCDHS-EHD in their letter dated August 24, 1999.

On December 1, 1999, four soil borings (B-1 through B-4) were drilled at the site, and soil and groundwater samples were collected for laboratory analysis. A total of 16 soil samples were collected for analysis. Three of the sixteen soil samples reportedly contained total petroleum hydrocarbons (TPH) as gasoline ranging from 120 to 710 milligrams per kilogram (mg/kg). All four groundwater samples collected from the soil borings were reported to contain TPH as gasoline and benzene, toluene, ethylbenzene, and xylenes (BTEX). A sensitive receptor survey (SRS) was also conducted in December 1999. The results of the investigation and SRS are presented in the BAI document "Soil and Groundwater Investigation", dated January 12, 2000.

On September 18 and 19, 2000, four soil borings were drilled and three of the four borings were converted to monitoring wells MW-1 through MW-3 (Plate 2). Soil and groundwater samples were

collected from the soil boring and monitoring wells for laboratory analysis. The results of the investigation are presented in the BAI document "Soil and Groundwater Investigation Phase II", dated January 8, 2001. The document also included additional SRS data as required by the SCDHS-EHD in their letter dated May 10, 2000.

On May 17, 2002, BAI supervised the construction of one monitoring well (MW-4). Three soil samples were collected and submitted for laboratory analysis. TPH as gasoline, BTEX, petroleum oxygenates and lead scavengers were not detected in any of the samples collected from boring MW-4. The results of the investigation are presented in the BAI document dated October 7, 2002.

On September 27 and 28, 2004, BAI supervised the implementation of a corrective action plan (CAP) that was prepared to address the residual contaminated soils in the vicinity of the former UST location. The CAP was approved by the SCDHS-EHD in their letter dated June 16, 2003. The implemented CAP consisted of the abandonment of monitoring well MW-3 on September 24, 2004, and the overexcavation of contaminated soil. Sidewall, bottom, and stockpile soil samples were collected as part of the excavation work conducted. Groundwater was not encountered during the excavation activities. The final excavation limits are shown on Plate 2. The results of the overexcavation are included in the BAI document "Soil Excavation Report", dated December 8, 2004.

Monitoring Well Abandonment

As required by the SCDHS-EHD in their letter dated September 8, 2005, BAI prepared a workplan for the abandonment of on site monitoring wells MW-1, MW-2, and MW-4. The workplan was approved by the SCDHS-EHD in their letter dated September 21, 2005.

On October 11, 2005, monitoring wells MW-1, MW-2, and MW-4 (Plate 2) were abandoned as part of the site closure process. A permit for abandonment of the wells was obtained from the SCDHS-EHD. Underground Services Alert (USA) was notified and underground utilities cleared before initiating drilling activities. The wells were abandoned by Clear Heart Drilling, Inc., of Santa Rosa, California, a licensed C-57 drilling contractor. Each of the wells was abandoned by over-drilling the well casing with hollow-stem augers to remove as much of the well casing materials as possible. After the well materials had been drilled out, the borehole was sealed, from the bottom of the borehole to near surface using a tremie pipe, with a cement grout/bentonite slurry mixture to seal off the groundwater from the surface and eliminate any potential contaminant pathways to groundwater. The borehole backfilling was completed from the top of the cement grout/bentonite slurry mixture to surface grade by placing soil in each borehole. The soil generated during abandonment of the wells was temporarily stored on site in 55-gallon drums.

Generated Waste Disposal

Following the abandonment of the three monitoring wells, the five drums of generated soil and decontamination water from the well abandonment activities and one drum of purged groundwater



Ms. Darcy Bering
November 22, 2005
Page 3

from previous sampling of the monitoring wells, were removed from the site and properly disposed of by Integrated Waste Management (IWM). Copies of the Certificates of Disposal for the five drums of soil and one drum of purge water are included in Appendix B.

Conclusion

As required, sampling point locations (including the latitude and longitude of the on site domestic well), monitoring well elevations, boring logs, and a site map have been electronically submitted to the State GeoTracker database. Monitoring wells MW-1, MW-2, and MW-4 have been abandoned and the drums of generated soil and decontamination water from the well abandonment activities, and the drum of purged groundwater from previous sampling of the monitoring wells, were removed from the site and properly disposed of. Therefore, BAI recommends that a Remedial Action Completion Certification be issued for the 5757 McFarlane Road, Sebastopol, California site.

Should you have any questions regarding this report, please contact us at (707) 838-3027.

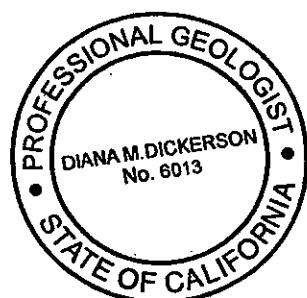
Sincerely,



Steve Silva
Project Geologist



Diana M. Dickerson, P.G., R.E.A.
Principal Geologist



cc: Mr. Gerald Cook, Julius E. Cook trust et al
Mr. Wayne Cook
Mr. Luis Rivera, NCRWQCB
Ms. Debra Kroft and Mr. Kurt Monser



LIST OF ATTACHMENTS

Plate 1. Site Vicinity Map

Plate 2. Site Map

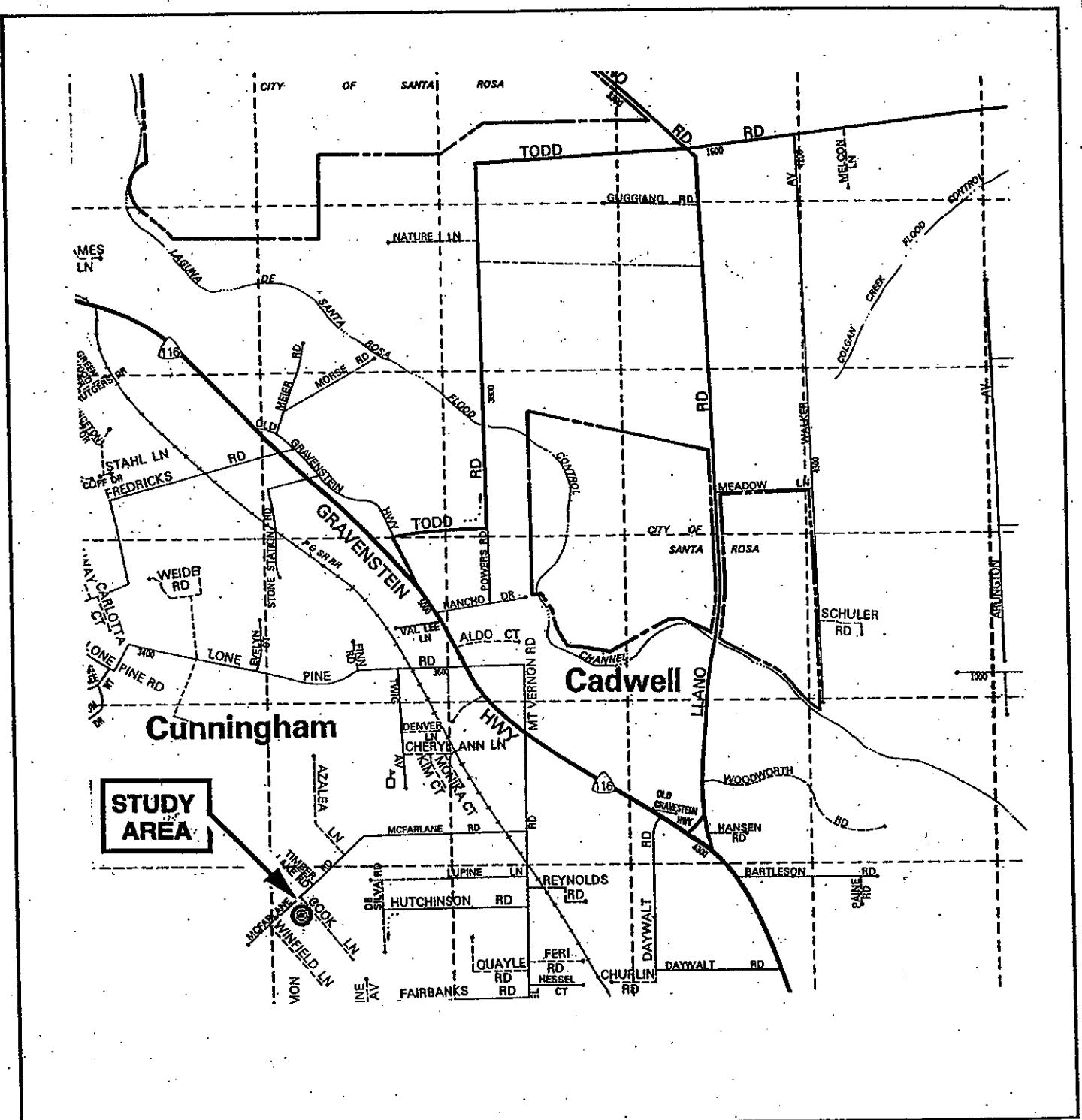
Appendix A. Historical Results Documents

Appendix B. Copies of the Certificates of Disposal



PLATES





PROJECT NO.:	655.003	
DRAWN BY:	MTE	2/24/00
CHECKED BY:	<i>[Signature]</i>	
APPROVED BY:		
REVISED BY:		

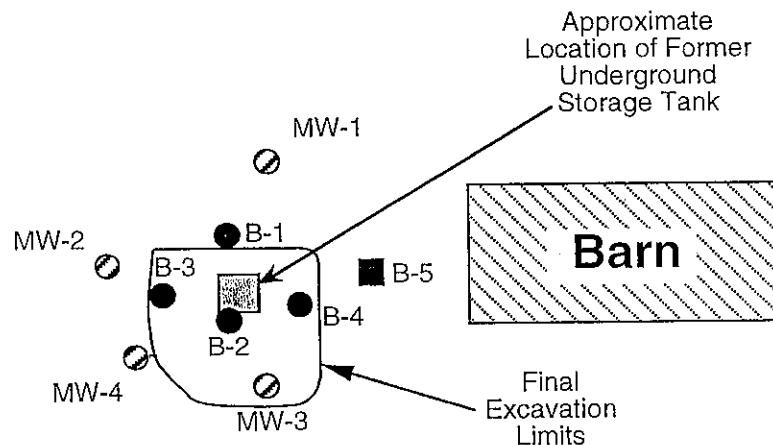
BACE Environmental
A Division Of
Brunsing Associates, Inc.

PLATE 1
Site Vicinity Map
5757 McFarlane Road
Sebastopol, California

Cook Lane

5757 McFarlane Road
Property

~ Field ~

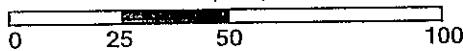


~ Field ~

DW-1



APPROXIMATE SCALE
(feet)



Legend

- | | | |
|-------------------------|---|--|
| MW-3 | | Abandoned monitoring well location and number |
| DW-1 | | Domestic well location and number |
| B-4 | ● | December 1, 1999 soil boring location and number |
| B-5 | ■ | September 19, 2000 soil boring location and number |
| Final excavation limits | | |

PROJECT NO.:	655	
DRAWN BY:	SMS	11/11/04
CHECKED BY:		
APPROVED BY:	<i>J.M.D</i>	11/22/05
REVISED:	SMS	11/21/05

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PLATE 2
SITE MAP
5757 McFarlane Road
Sebastopol, California

APPENDIX A

Historical Results Documents



Table 1. Analytical Test Results of Soil Samples

5757 McFarlane Road

Sebastopol, California

Sample Location	Date Sampled	Sample Depth (ft) (bgs)	TPH as Gasoline (mg/kg)	Benzene (µg/kg)	Toluene (µg/kg)	Ethylbenzene (µg/kg)	Xylenes (µg/kg)	MTBE (1) (µg/kg)
Well Boring MW-1	9/18/2000	5.5	ND	ND	ND	ND	ND	ND
Well Boring MW-1	9/18/2000	11	ND	ND	ND	ND	ND	ND
Well Boring MW-1	9/18/2000	16	ND	ND	ND	ND	ND	ND
Well Boring MW-2	9/18/2000	6	ND	ND	ND	ND	ND	ND
Well Boring MW-2	9/18/2000	11	ND	ND	ND	ND	ND	ND
Well Boring MW-2	9/18/2000	16	ND	ND	ND	ND	ND	ND
Well Boring MW-3	9/18/2000	5.5	110	160	380	ND	1,200	ND
Well Boring MW-3	9/18/2000	11	ND	ND	ND	ND	ND	ND
Well Boring MW-3	9/18/2000	16	ND	ND	ND	ND	ND	ND
Well Boring MW-4	5/17/2002	5	ND	ND	ND	ND	ND	ND
Well Boring MW-4	5/17/2002	10	ND	ND	ND	ND	ND	ND
Well Boring MW-4	5/17/2002	15	ND	ND	ND	ND	ND	ND
Boring B-1	12/1/1999	5.5	ND	ND	ND	ND	ND	ND
Boring B-1	12/1/1999	10.5	ND	ND	ND	ND	ND	ND (2)
Boring B-1	12/1/1999	15.5	ND	ND	ND	ND	ND	ND (2)
Boring B-1	12/1/1999	20.5	ND	ND	ND	ND	ND	ND
Boring B-2	12/1/1999	5.5	710	ND	3,700	2,600	46,000	ND (2)
Boring B-2	12/1/1999	10.5	ND	10	ND	ND	5.0	ND (2)
Boring B-2	12/1/1999	15.5	ND	ND	ND	ND	ND	ND
Boring B-2	12/1/1999	20.5	ND	ND	ND	ND	ND	ND
Boring B-3	12/1/1999	5.5	130	320	1,800	920	9,100	ND (2)
Boring B-3	12/1/1999	10.5	ND	ND	ND	ND	ND	ND (2)
Boring B-3	12/1/1999	15.5	ND	5.6	19	5.0	40	ND
Boring B-3	12/1/1999	20.5	ND	ND	ND	ND	ND	ND
Boring B-4	12/1/1999	5.5	120	ND	1,200	940	5,200	ND (2)
Boring B-4	12/1/1999	10.5	ND	ND	ND	ND	5.0	ND (2)
Boring B-4	12/1/1999	15.5	ND	ND	ND	ND	ND	ND
Boring B-4	12/1/1999	20.5	ND	ND	ND	ND	ND	ND
Boring B-5	9/19/2000	5.5	ND	ND	ND	ND	ND	ND
Boring B-5	9/19/2000	11	ND	ND	ND	ND	ND	ND
Boring B-5	9/19/2000	15.5	ND	ND	ND	ND	ND	ND
Reporting Limits			1.0	5.0	5.0	5.0	5.0	50

Notes:

MTBE = Methyl tertiary butyl ether.

(1) = Analyzed for MTBE by EPA Test Method 8020 unless otherwise noted.

(2) = Analyzed for petroleum oxygenates and lead scavengers, including MTBE, by EPA Test Method 8260B.

ft = Feet.

bgs = Below ground surface.

mg/kg = Milligrams per kilogram which is equivalent to parts per million (ppm).

µg/kg = Micrograms per kilogram which is equivalent to parts per billion (ppb).

ND = Not detected at laboratory reporting limit.





TABLE 1
Excavation Sidewall
Field Soil Sample Analytical Data
5757 McFarlane Road
Sebastopol, California

Sample Number	Date Sampled	Depth Sampled (feet, bgs)	TPH as gasoline (mg/kg)	Benzene ^A (µg/kg)	Toluene ^A (µg/kg)	Ethybenzene ^A (µg/kg)	Xylenes ^A (µg/kg)	MTBE ^A (µg/kg)
EX-SW-1	9/27/2004	6.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	< 50
EX-SW-2	9/27/2004	5.5	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	< 50
EX-SW-3	9/27/2004	5.5	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	< 50
EX-SW-4	9/27/2004	5.5	< 1.0	< 5.0	< 200	< 200	< 200	< 2,000
EX-SW-5	9/27/2004	6.0	260	< 200	< 200	< 200	< 200	< 50
EX-SW-6	9/27/2004	5.5	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	< 50
EX-SW-7	9/27/2004	6.0	1.0	< 5.0	< 5.0	< 5.0	7.1	< 50
EX-SW-8	9/27/2004	5.5	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	< 50
EX-SW-9	9/27/2004	5.5	3.0	< 5.0	8.0	< 5.0	43	< 50
EX-SW-10	9/27/2004	6.0	2.5	< 5.0	< 5.0	< 5.0	< 5.0	< 50

bgs = below ground surface

TPH = total petroleum hydrocarbons

MTBE = methyl-tert-butyl ether

mg/kg = milligrams per kilogram

µg/kg = micrograms per kilogram

^A Analyzed for BTEX and MTBE by EPA Test Method 8021

Less than symbol (<) indicates not detected at given laboratory reporting limit



TABLE 2
Excavation Soil Sample Analytical Data
5757 McFarlane Road
Sebastopol, California

Sample Number	Date Sampled	Depth Sampled (feet, bgs)	Benzene ^A (µg/kg)	Toluene ^A (µg/kg)	Ethylbenzene ^A (µg/kg)	Xylenes ^A (µg/kg)	MTBE ^A (µg/kg)	Petroleum Oxygenates/Lead Scavengers ^A (µg/kg)
EX-SW-1	9/27/2004	6.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0 to < 50
EX-SW-2	9/27/2004	5.5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0 to < 50
EX-SW-3	9/27/2004	5.5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0 to < 50
EX-SW-4	9/27/2004	5.5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0 to < 50
EX-SW-6	9/27/2004	5.5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0 to < 50
EX-SW-7	9/27/2004	6.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0 to < 50
EX-SW-8	9/27/2004	5.5	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0 to < 50
EX-SW-9	9/27/2004	5.5	< 5.0	< 5.0	< 5.0	6.60	< 5.0	< 5.0 to < 50
EX-SW-10	9/27/2004	6.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0 to < 50

bgs = below ground surface

MTBE = methyl-tert-butyl ether

mg/kg = milligrams per kilogram

µg/kg = micrograms per kilogram

^A Analyzed for BTEX, petroleum oxygenates and lead scavengers by EPA Test Method 8260
 with sample preparation by EPA Preparation Method 5035

Less than symbol (<) indicates not detected at given laboratory reporting limit



TABLE 3
Excavation Bottom
Field Soil Sample Analytical Data
5757 McFarlane Road
Sebastopol, California

Sample Number	Date Sampled	Depth Sampled (feet, bgs)	TPH as gasoline (mg/kg)	Benzene ^A (µg/kg)	Toluene ^A (µg/kg)	Ethylbenzene ^A (µg/kg)	Xylenes ^A (µg/kg)	MTBE ^A (µg/kg)
EX-B-1	9/27/04	6.6	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	< 50
EX-B-2	9/27/04	6.0	< 1.0	< 5.0	< 5.0	< 5.0	< 5.0	< 50
EX-B-3	9/27/04	6.0	< 1.0	< 5.0	< 5.0	< 5.0	5.2	< 50

bgs = below ground surface

TPH = total petroleum hydrocarbons

MTBE = methyl-tert-butyl ether

mg/kg = milligrams per kilogram

µg/kg = micrograms per kilogram

^A Analyzed for BTEX and MTBE by EPA Test Method 8021

Less than symbol (<) indicates not detected at given laboratory reporting limit



TABLE 4
Excavation Bottom
Conformation Soil Sample Analytical Data
5757 McFarlane Road
Sebastopol, California

Sample Number	Date Sampled	Depth Sampled (feet, bgs)	Benzene ^A ($\mu\text{g}/\text{kg}$)	Toluene ^A ($\mu\text{g}/\text{kg}$)	Ethy-benzene ^A ($\mu\text{g}/\text{kg}$)	Xylenes ^A ($\mu\text{g}/\text{kg}$)	MTBE ^A ($\mu\text{g}/\text{kg}$)	Petroleum Oxygenates/ Lead Scavengers ^A ($\mu\text{g}/\text{kg}$)
EX-B-1	9/27/04	6.6	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0 to < 50
EX-B-2	9/27/04	6.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0 to < 50
EX-B-3	9/27/04	6.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0 to < 50

bgs = below ground surface

MTBE = methyl-tert-butyl ether

mg/kg = milligrams per kilogram

$\mu\text{g}/\text{kg}$ = micrograms per kilogram

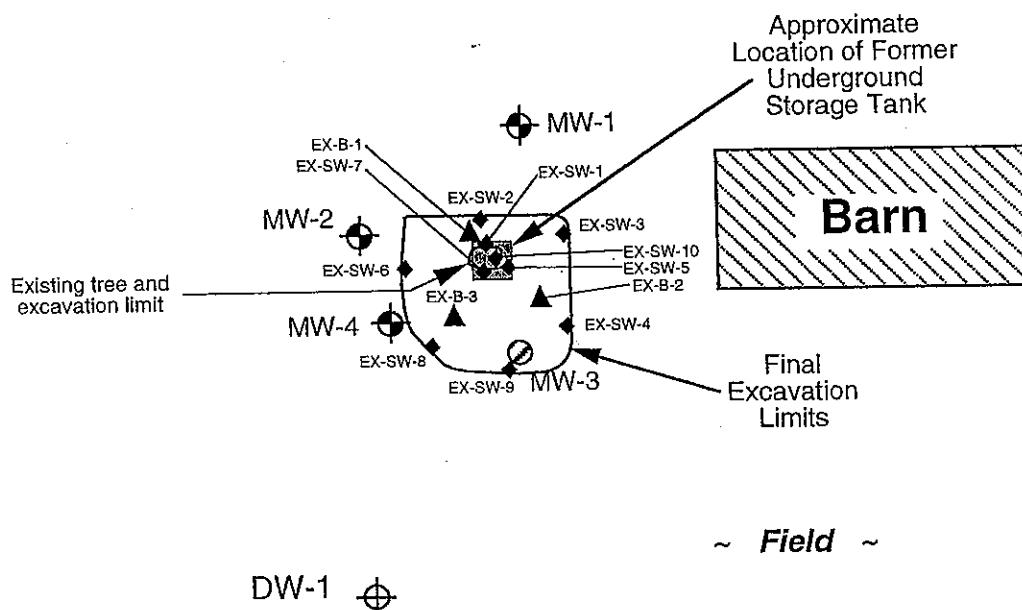
^A Analyzed for BTEX, petroleum oxygenates and lead scavengers by EPA Test Method 8260 with sample preparation by EPA Preparation Method 5035

Less than symbol (<) indicates not detected at given laboratory reporting limit

Cook Lane

5757 McFarlane Road
Property

~ Field ~



Legend

- MW-4 ● Monitoring well location and number
- MW-3 ○ Abandoned monitoring well location and number
- DW-1 ⊕ Domestic well location and number
- EX-SW-7 ♦ Excavation sidewall soil sample location and number
- EX-B-2 ▲ Excavation bottom soil sample location and number
- Final excavation limits



APPROXIMATE SCALE
(feet)

0 25 50 100

PROJECT NO.:	655	
DRAWN BY:	SMS	11/11/04
CHECKED BY:		
APPROVED BY:	DMP	12/18/04
REVISED:		

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Windsor, California 95492

PLATE 3
EXCAVATION LIMITS MAP
5757 McFarlane Road
Sebastopol, California



TABLE 1
Groundwater Elevation Data
5757 McFarlane Road
Sebastopol, California

Well Number	Date Measured	Top of Casing (TOC) Elevation (feet, MSL)	Depth to Groundwater (feet below TOC)	Groundwater Elevation (feet, MSL)	Approximate Groundwater Flow Direction and Gradient (ft/ft)
MW-1	10/23/2000	187.75	23.22	164.53	
MW-2	10/23/2000	188.47	25.41	163.06	Northwest 0.032
MW-3	10/23/2000	189.30	25.30	164.00	
MW-1	1/23/2001	187.75	23.94	163.81	
MW-2	1/23/2001	188.47	26.02	162.45	Northwest 0.028
MW-3	1/23/2001	189.30	26.14	163.16	
MW-1	4/12/2001	187.75	23.21	164.54	
MW-2	4/12/2001	188.47	25.29	163.18	Northwest 0.027
MW-3	4/12/2001	189.30	25.65	163.65	
MW-1	7/26/2001	187.75	24.09	163.66	
MW-2	7/26/2001	188.47	26.30	162.17	Northwest 0.031
MW-3	7/26/2001	189.30	26.35	162.95	
MW-1	6/3/2002	187.75	22.02	165.73	
MW-2	6/3/2002	188.47	23.92	164.55	Northwest 0.025
MW-3	6/3/2002	189.30	24.14	165.16	
MW-4	6/3/2002	189.28	24.74	164.54	
MW-1	12/11/2002	187.75	24.64	163.11	
MW-2	12/11/2002	188.47	26.73	161.74	Northwest 0.028
MW-3	12/11/2002	189.30	26.90	162.40	
MW-4	12/11/2002	189.28	27.55	161.73	



TABLE 1
Groundwater Elevation Data
5757 McFarlane Road
Sebastopol, California

Well Number	Date Measured	Top of Casing (TOC) Elevation (feet, MSL)	Depth to Groundwater (feet below TOC)	Groundwater Elevation (feet, MSL)	Approximate Groundwater Flow Direction and Gradient (ft/ft)
MW-1	3/11/2003	187.75	23.04	164.71	Northwest
MW-2	3/11/2003	188.47	24.71	163.76	0.020
MW-3	3/11/2003	189.30	25.44	163.86	
MW-4	3/11/2003	189.28	25.58	163.70	
MW-1	6/17/2003	187.75	21.94	165.81	Northwest
MW-2	6/17/2003	188.47	23.85	164.62	0.025
MW-3	6/17/2003	189.30	24.13	165.17	
MW-4	6/17/2003	189.28	24.69	164.59	
MW-1	9/26/2003	187.75	23.37	164.38	Northwest
MW-2	9/26/2003	188.47	25.55	162.92	0.032
MW-3	9/26/2003	189.30	25.60	163.70	
MW-4	9/26/2003	189.28	26.37	162.91	
MW-1	12/24/2003	187.75	24.17	163.58	West
MW-2	12/24/2003	188.47	26.30	162.17	0.030
MW-3	12/24/2003	189.30	26.60	162.70	
MW-4	12/24/2003	189.28	27.16 ^A	162.12	
MW-1	3/10/2004	187.75	22.53	165.22	West
MW-2	3/10/2004	188.47	24.00	164.47	0.015
MW-3	3/10/2004	189.30	24.80	164.50	
MW-4	3/10/2004	189.28	24.92	164.36	



TABLE 1
Groundwater Elevation Data
5757 McFarlane Road
Sebastopol, California

Well Number	Date Measured	Top of Casing (TOC) Elevation (feet, MSL)	Depth to Groundwater (feet below TOC)	Groundwater Elevation (feet, MSL)	Approximate Groundwater Flow Direction and Gradient (ft/ft)
MW-1	9/2/2004	187.75	mm	mm	West-Northwest ^B 0.022
MW-2	9/2/2004	188.47	25.51	162.96	
MW-3	9/2/2004	189.30	25.59	163.71	
MW-4	9/2/2004	189.28	26.34	162.94	
MW-1	12/1/2004	187.75	24.76	162.99	Northwest ^C 0.018
MW-2	12/1/2004	188.47	26.72	161.75	
MW-4	12/1/2004	189.28	27.55	161.73	
MW-1	3/7/2005	187.75	23.54	164.21	Northwest ^D 0.023
MW-2	3/7/2005	188.47	25.38	163.09	
MW-4	3/7/2005	189.28	26.24	163.04	

TOC = top of casing

MLS = mean sea level

ft/ft = foot per foot

mm = not measured

A = the depth to groundwater measurements in the field notes indicate the groundwater elevation was not stable in well MW-4

Groundwater flow directions and gradients calculated using data from wells MW-1, MW-2, and MW-3

B = The September 2004 groundwater flow direction and gradient calculated using data from wells MW-2, MW-3, and MW-4

C = The December 2004 groundwater flow direction and gradient calculated using data from wells MW-1, MW-2, and MW-4

D = The March 2005 groundwater flow direction and gradient calculated using data from wells MW-1, MW-2, and MW-4



TABLE 2
Groundwater Analytical Results
5757 McFarlane Road
Sebastopol, California

Well Number	Date Sampled	TPH as gasoline (mg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethylbenzene (µg/l)	Xylenes (µg/l)	MTBE ⁽¹⁾ (µg/l)	Petroleum Oxygenates/ Lead Scavengers ⁽²⁾ (µg/l)
MW-1	10/24/2000	ND	ND	1.4	0.65	2.7	NR	ND
MW-1	1/23/2001	ND	ND	ND	ND	1.2	NR	ND
MW-1	4/12/2001	< 0.05	< 0.5	< 0.5	< 0.5	< 0.5	NR	ND
MW-1	7/26/2001	< 0.05	< 0.5	< 0.5	< 0.5	< 0.5	NR	ND
MW-1	6/3/2002	< 0.05	< 0.5	< 0.5	< 0.5	0.98	NR	ND
MW-1	12/11/2002	< 0.05	< 0.5	< 0.5	< 0.5	< 0.5	NR	< 0.5 to 10
MW-1	3/11/2003	< 0.050	< 0.50	< 0.50	< 0.50	< 0.50	NR	< 0.50 to 10
MW-1	6/17/2003	< 0.050	< 0.50	< 0.50	< 0.50	< 0.50	NR	< 0.50 to 10
MW-1	9/26/2003	< 0.050	< 0.50	< 0.50	< 0.50	< 0.50	NR	< 0.50 to 10
MW-1	12/24/2003	< 0.050	< 0.30	< 0.30	< 0.50	< 0.50	NR	< 0.50 to 10
MW-1	3/10/2004	< 0.050	< 0.50	< 0.50	< 0.50	< 0.50	NR	< 0.50 to 10
MW-1	9/2/2004	< 0.050	< 0.50	< 0.50	< 0.50	< 0.50	NR	< 0.50 to 10
MW-1	12/1/2004	< 0.050	< 0.5	< 0.5	< 0.5	< 0.5	< 1.0	NR
MW-1	3/7/2005	< 0.050	< 0.30	< 0.30	< 0.50	< 0.50	< 0.50 ⁽³⁾	NR
MW-2	10/24/2000	ND	ND	3.0	1.4	6.9	NR	ND
MW-2	1/23/2001	ND	ND	ND	ND	NR	ND	ND
MW-2	4/12/2001	< 0.05	< 0.5	< 0.5	< 0.5	< 0.5	NR	ND
MW-2	7/26/2001	< 0.05	< 0.5	< 0.5	< 0.5	< 0.5	NR	ND
MW-2	6/3/2002	< 0.05	< 0.5	< 0.5	< 0.5	0.78	NR	ND
MW-2	12/11/2002	< 0.05	< 0.5	< 0.5	< 0.5	< 0.5	NR	ND



TABLE 2
Groundwater Analytical Results
5757 McFarlane Road
Sebastopol, California

Well Number	Date Sampled	TPH as gasoline (mg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Xylenes (µg/l)	MTBE ⁽¹⁾ (µg/l)	Petroleum Oxygenates/ Lead Scavengers ⁽²⁾ (µg/l)
MW-2	3/11/2003	< 0.050	< 0.50	< 0.50	< 0.50	< 0.50	NR	< 0.50 to 10
MW-2	6/17/2003	< 0.050	< 0.50	< 0.50	< 0.50	< 0.50	NR	< 0.50 to 10
MW-2	9/26/2003	< 0.050	< 0.50	< 0.50	< 0.50	< 0.50	NR	< 0.50 to 10
MW-2	12/24/2003	< 0.050	< 0.30	< 0.30	< 0.50	< 0.50	NR	< 0.50 to 10
MW-2	3/10/2004	< 0.050	< 0.50	< 0.50	< 0.50	< 0.50	NR	< 0.50 to 10
MW-2	9/2/2004	< 0.050	< 0.50	< 0.50	< 0.50	< 0.50	NR	< 0.50 to 10
MW-2	12/1/2004	< 0.050	< 0.5	< 0.5	< 0.5	< 0.5	< 1.0	NR
MW-2	3/7/2005	< 0.050	< 0.30	< 0.30	< 0.50	< 0.50	< 0.50	< 0.50 ⁽³⁾
MW-3	10/24/2000	ND	ND	1.5	0.59	2.8	NR	ND
MW-3	1/23/2001	ND	ND	ND	1.6	NR	ND	ND
MW-3	4/12/2001	< 0.05	< 0.5	< 0.5	< 0.5	< 0.5	NR	ND
MW-3	7/26/2001	< 0.05	< 0.5	< 0.5	< 0.5	< 0.5	NR	ND
MW-3	6/3/2002	< 0.05	< 0.5	< 0.5	< 0.5	< 0.5	NR	ND
MW-3	12/11/2002	< 0.05	< 0.5	< 0.5	< 0.5	< 0.5	NR	< 0.50 to 10
MW-3	3/11/2003	< 0.050	< 0.50	< 0.50	< 0.50	< 0.50	NR	< 0.50 to 10
MW-3	6/17/2003	< 0.050	< 0.50	< 0.50	< 0.50	< 0.50	NR	< 0.50 to 10
MW-3	9/26/2003	< 0.050	< 0.50	< 0.50	< 0.50	< 0.50	NR	< 0.50 to 10
MW-3	12/24/2003	< 0.050	< 0.30	< 0.30	< 0.50	< 0.50	NR	< 0.50 to 10
MW-3	3/10/2004	< 0.050	< 0.50	< 0.50	< 0.50	< 0.50	NR	< 0.50 to 10
MW-3	9/2/2004	< 0.050	< 0.50	< 0.50	< 0.50	< 1.0	NR	
MW-3	Monitoring Well Abandoned on 9/24/04							



TABLE 2
Groundwater Analytical Results
5757 McFarlane Road
Sebastopol, California

Well Number	Date Sampled	TPH as gasoline (µg/l)				Xylenes (µg/l)	MTBE (1) (µg/l)	Petroleum Oxygenates/ Lead Scavengers (2) (µg/l)	
		Benzene (µg/l)	Toluene (µg/l)	Ethylbenzene (µg/l)	NR			NR	NR
MW-4	6/3/2002	< 0.05	< 0.5	< 0.5	< 0.5	< 0.5	NR	ND	ND
MW-4	12/11/2002	< 0.05	< 0.5	< 0.5	< 0.5	< 0.5	NR	ND	ND
MW-4	3/11/2003	< 0.050	< 0.50	< 0.50	< 0.50	< 0.50	NR	< 0.50 to 10	
MW-4	6/17/2003	< 0.050	< 0.50	< 0.50	< 0.50	< 0.50	NR	< 0.50 to 10	
MW-4	9/26/2003	< 0.050	< 0.50	< 0.50	< 0.50	< 0.50	NR	< 0.50 to 10	
MW-4	12/24/2003	< 0.050	< 0.30	< 0.30	< 0.50	< 0.50	NR	< 0.50 to 10	
MW-4	3/10/2004	< 0.050	< 0.50	< 0.50	< 0.50	< 0.50	NR	< 0.50 to 10	
MW-4	9/2/2004	< 0.050	< 0.50	< 0.50	< 0.50	< 0.50	NR	< 0.50 to 10	
MW-4	12/1/2004	< 0.050	< 0.5	< 0.5	< 0.5	< 0.5	NR	< 0.50 to 10	
MW-4	3/7/2005	< 0.050	< 0.30	< 0.30	< 0.50	< 0.50	< 0.50 (3)	< 0.50 (3)	NR
DW-1	9/18/2000	ND	ND	ND	ND	ND	NR	NR	..
DW-1	11/8/2000	--	--	--	--	--	NR	NR	ND
DW-1	4/12/2001	< 0.05	< 0.5	< 0.5	< 0.5	< 0.5	NR	NR	ND
DW-1	6/3/2002	< 0.05	< 0.5	< 0.5	< 0.5	< 0.5	NR	NR	ND
DW-1	12/11/2002	< 0.05	< 0.5	< 0.5	< 0.5	< 0.5	NR	NR	< 0.50 to 10
DW-1	3/11/2003	< 0.050	< 0.50	< 0.50	< 0.50	< 0.50	NR	NR	< 0.50 to 10
DW-1	6/17/2003	< 0.050	< 0.50	< 0.50	< 0.50	< 0.50	NR	NR	< 0.50 to 10
DW-1	9/26/2003	< 0.050	< 0.50	< 0.50	< 0.50	< 0.50	NR	NR	< 0.50 to 10
DW-1	12/24/2003	< 0.050	< 0.30	< 0.30	< 0.50	< 0.50	NR	NR	< 0.50 to 10



TABLE 2
Groundwater Analytical Results
5757 McFarlane Road
Sebastopol, California

Well Number	Date Sampled	TPH as gasoline (mg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethylbenzene (µg/l)	Xylenes (µg/l)	MTBE ⁽¹⁾ (µg/l)	Petroleum Oxygenates/ Lead Scavengers ⁽²⁾ (µg/l)
DW-1	3/10/2004	< 0.050	< 0.50	< 0.50	< 0.50	< 0.50	NR	< 0.50 to 10
DW-1	9/2/2004	< 0.050	< 0.50	< 0.50	< 0.50	< 0.50	NR	NR
DW-1	12/1/2004	< 0.050	< 0.5	< 0.5	< 0.5	< 0.5	< 1.0	NR
DW-1	3/7/2005	< 0.050	< 0.30	< 0.30	< 0.50	< 0.50	< 0.50	NR

TPH = total petroleum hydrocarbons

MTBE = methyl-tert-butyl ether

mg/l = milligrams per liter

µg/l = micrograms per liter

ND = not detected at laboratory reporting limit

NR = not requested

- = not analyzed.

Less than symbol (<) indicates not detected at given laboratory reporting limit

(1) = MTBE analyzed using EPA Test Method 8021 unless otherwise noted

(2) = Petroleum oxygenates and lead scavengers analyzed using EPA Test Method 8260B

(3) = MTBE analyzed using EPA Test Method 8260B



TABLE 3
Well Construction Details
5757 McFarlane Road
Sebastopol, California

Well Number	Date Installed	Installed By	Borehole Diameter (inches)	Total Borehole Depth (feet)	Screened Interval (feet)	Total Well Depth (feet)	Casing Diameter (inches)	Screen Slot Size (inches)	PVC Casing Elevation (MSL)	Existing or Abandoned
MW-1 B	9/18/2000	BAI	8	30	15 to 30	30	2	0.020	187.75	Abandoned
MW-2 B	9/18/2000	BAI	8	30	15 to 30	30	2	0.020	188.47	Abandoned
MW-3 A	9/18/2000	BAI	8	30	15 to 30	30	2	0.020	189.30	Abandoned
MW-4 B	5/17/2002	BAI	8	30	15 to 30	30	2	0.020	189.28	Abandoned

BAI = Brunsing Associates, Inc.

MSL = mean sea level

A Monitoring well MW-3 was abandoned on September 24, 2004

B Monitoring wells MW-1, MW-2, and MW-4 were abandoned on October 11, 2005

APPENDIX B

Copies of the Certificates of Disposal



IWM, Inc.

INTEGRATED WASTESTREAM MANAGEMENT, INC.
950 AMES AVENUE, MILPITAS, CA 95035
PHONE: 408.942.8955 FAX: 408.942.1499

CERTIFICATE OF DISPOSAL

Generator Name: Gerald Cook
Address: 1893 Woodland Road #18
Contact: ---
Phone: 650-324-3341

Facility Name: Residence
Address: 5757 McFarland Road
Facility Contact: Steve Silva, Brunsing Associates Inc.
Phone: 707-838-3027

IWM Job #:	95520-DW
Description of Waste:	1 Drum of Non-Hazardous Water
Removal Date:	10/26/05
Ticket #:	SP261005-MISC

Transporter Information

Name: IWM, Inc.
Address: 950 Ames Avenue
Milpitas, CA 95035
Phone: (408) 942-8955

Disposal Facility Information

Name: Seaport Environmental
Address: 675 Seaport Blvd
Redwood City, CA 94063
Phone: (650) 364-1024

IWM, INC. CERTIFIES THAT THE ABOVE LISTED NON-HAZARDOUS WASTE WILL BE
TREATED AND DISPOSED AT THE DESIGNATED FACILITY IN ACCORDANCE WITH
APPLICABLE FEDERAL, STATE, AND LOCAL REGULATIONS.

William T. DeLon

William T. DeLon

Authorized Representative (Print Name and Signature)

10/26/05

Date

IWM, Inc.

INTEGRATED WASTESTREAM MANAGEMENT, INC.
950 AMES AVENUE, MILPITAS, CA 95035
PHONE: 408.942.8955 FAX: 408.942.1499

CERTIFICATE OF DISPOSAL

Generator Name: Gerald Cook
Address: 1893 Woodland Road #18
East Palo Alto, CA 94303
Contact: ---
Phone: 650-324-3341

Facility Name: Residence
Address: 5757 McFarland Road
Sebastopol, CA
Facility Contact: Steve Silva, Brunsing Associates Inc.
Phone: 707-838-3027

IWM Job #:	95521-DS
Description of Waste:	5 Drums of Non-Hazardous Soil
Removal Date:	10/26/05
Ticket #:	RSVRL261005

Transporter Information

Name: IWM, Inc.
Address: 950 Ames Avenue
Milpitas, CA 95035
Phone: (408) 942-8955

Disposal Facility Information

Name: Republic Services Vasco Road Landfill
Address: 4001 N. Vasco Road
Livermore, CA 94550
Phone: (925) 447-0491

IWM, INC. CERTIFIES THAT THE ABOVE LISTED NON-HAZARDOUS WASTE WILL BE
TREATED AND DISPOSED AT THE DESIGNATED FACILITY IN ACCORDANCE WITH
APPLICABLE FEDERAL, STATE, AND LOCAL REGULATIONS.

William T. DeLon *William T. DeLon*
Authorized Representative (Print Name and Signature)

10/26/05
Date